1	CCCACGCGTCCGGCCCGGCTCCGGAGCGGCTCTGCCTTCCCGAGCGCGGGACGCGGC														60						
61	GCCC	TGG	GGG	AGG.	AGG	GCG	AAG	CGA	CGC	GGC											120
1											M	A	P .	R	A	L	Р	G	S	A •	10
121	CCGT	CCT.	AGC	CGC	TGC	TGT	CTT	CGT	GGG.	AGG	CGC	CGT	GAG	TTC	GCC	GCT	GGT	GGC	TCC	GG	180
11	V	L	Α.	A	A	V	. F	V	G	G •	A	V	S	S	P	L	٧	A	P	D	30
181	ACAATGGGAGCAGCCGCACATTGCACTCCAGAACAGAGACGACCCCGTCGCCCAGCAACG															CG	240				
31	N	G	S	S	R	T	L	Н	S	R	T	E	Т.	T	P	S	P .	S	N	D •	50
241	ATAC	TGG	GAA	TGG	ACA	CCC	AGA	ATA	TAT	TGC	ATA	CGC	GCT	TGT	CCC	TGT	GTT	CTT	TAT	CA	300
51	T	G	N.	G	Н	P	E	Y	Ι	A	Y	A	L.	V	P	V	F	F	I	M	70
301	TGGG	TCT	CTT	TGG	CGT	CCT	CAT	TTG	CCA	CCT	GCT	TAA	GAA	.GAA	AGG	CTA	TCG	TTG	TAC	AA	360
71	G	L	F	G	٧	L	Ι.	С	Н	L	L	K	K.	K	G	Y	R .	С	T	T	90
361	51 CAGAAGCAGAGCAAGATATCGAAGAGGAAAAGGTTGAAAAGATAGAATTGAATGACAGTG															TG	420				
91	E	A	E	Q	D	Ι	E	E	E	K	V	E	K	Ι	E	L	N	D	S	V	110
401	m () 3 3	m		03.0	m 🔿 🛪	070	•	maa	003	• 7.70 m		003	• •	(1 A III	10 7 m		•	m \sim x	7 00	•	400
	TGAA N	ATGA E	aaa N	CAG S	TGA D	CAC T	TGT V	TGG G		AAT T	CGT V	CCA H	CTA Y	CAT I	CAT M	'GAA K	aaa N	TGA E	AGC A		130
111	IN	L	N.	٥	ע	1	٧.	G	Q	1	٧	п	1.	1	M	V	. 11	C	А	1/1	130
481	ATGO	TGA	TGT	CTT	AAA	GGC	GAT	GGT	AGC.	AGA	AAT.	CAG	CCT	GTA	TGA	TCC	TGA	AAG	CCC	CG	540
131	A	D	٧	L	K	A	M	V	A	D	N	S	L	Y	D	P	E	S	P	٧	150
541	TGAC	:CCC	CAG	CAC	ACC	AGG	GAG	CCC	GCC.	AGT	'GAG	TCC	TGG	GCC	TTT	'GTC	ACC	AGG	GGG	GA	600
151		, P			P	G	S	Р	P	V	S	Р	G	Р	L	S	P	G	G		170
			•				•			•			•				•			•	
	CGCC							-													
171	Р	G	K	Н	V	С	G	Н	Н	L	Н	Т	V	G	G	V	V	Ε	R	D	190

FIG. 1A

			•				•			•			•				•			•	
661	ATGT	GTG'	rca'	TCG(GTGT	'AG(GCA	CAA	.GCG	GTG	GCA	CTT'	TAT	AAA	GCC	CAC	TAA	CAA	GTC	CA	720
191	Λ	С	H	R	С	R	H	K	R	M	Н	F	I	K	P	T	N	K	S	R	210
			•			4	•			•			•				•			•	
721	GAGA	GAG	CAG.	ACC	ACGO	GCG(CCA	AGG	CGA	GGT	CAC	GGT	CCT	TTC	TGT	TGG	CAG.	ATT'	ľAG.	AG	780
211	E	S	R	P	R	R	Q	G	Ε	V	T	V	L	S	V	G	R	F	R	V	230
			•				•			•			•				•			•	
781	TTAC.	AAA	AGT	GGA(GCA(CAAC	GTC.	AAA	.CCA	GAA	GGA	ACG	GAG	AAG	CCT	GAT	GTC	TGT'	l'AG'	TG	840
231	T	K	V	E	Н	K	S	N	Q	K	E	R	R	S	L	M	S	V	S	G	250
			•				•			•			•				•			•	
841	GGGC	TGA	AAC	CGT	CAAT	rGG(GGA	GGT	GCC	GGC.	AAC		TGT	GAA	GAG.	AGA	ACG	CAG		CA	
251	A	E	T	V	N	G	E	V	P	A	T	P	V	K	R	E	R	S	G	T	270
			•							•			•				•			•	
•	CAGA		GCA	GGT(GAG(CCG'	ľGG	TTT	TGG	TGA	CAT	TGG	GGG	CAG	AGT	GGT	GCA	GGG	ľGA	GG	
271	E	*																			272
0.61	3033	00m	·	maa-	n a a a	TIM CO	•	a a m	СОП	•	C C 3	0031	•	~~~	шаа	m 7 m	•	202	000	•	1000
961	AGAA	GGT	ACT	TGG	AGCC	TC	JCA	GGT	GCT	GTG	GCA	GCA	TAG	GAA	ТСС	TAT	TTG	ACA	טטט.	AA	1020
1001	GTGG	יכזכ	700	unun.	രവ	ת יי זי	୯୯୯	יארר	י א א ר	• የአረጣ	יראר	יררר	·	יחירי <i>א</i>	. ז ∼ ז	መሮ እ	• . നാന 7	. Crom	CTTC	· •mc	1000
LUZI	GIGG	UAU	AGC	111	CCI	IGA		.HGC	JAAC	JAC I	GAC	טטטנ	JAU	, I GA	MCA	MGA	MIL	CII	GIC	υl	1000
1021	ССТА	CAC	• ረጥጥ	ירייויי	ርሞል:	מממ	• ልልር	!ጥር ጀ	1 (~ Z) Z	• ነ	'ጥ አ (ምርር	ሮሞር	ነ ስል ገ	בככם	:	יככר	ነርጥር	ጥርጥ	ادعا	11/10
1001	CCIA	טאט	CII	CII	GIM	AAQ.	nnu	IICF	1CIT	мст	INC	1100	CIC	OAG	JUUU	ICTI	JUU	,010	101	GA	1140
141	TAAT	GAG	GAT	AGA	GGA'	יים בידים	• Cጥጥ	'GTO	AGG	· CAA	ጥ ር ፕ	ነGGC	• ልጥር	:GTG	GGG	: ልጥጥ	• 'GTG	GCA	ልልሮ	• מידי	1200
	11111	0110	0111	11011	0011	1 1 2 1		010	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		101	.000		,010	.000	,,,,,,		10011	1110		1200
201	GAAT	тса	CAT	'CAC	CCA	CCA	- TAT	'AGC	GCT	TGC	ATT	'ACC	ACC	AGG	CAG	AAA	NGCA	ССТ	AGT	GT	1260
	~- -	_ 0											• •								0
261	TGC	TGC	ATC	TTC	TTA	CGC.	AAA	AAA	\AAA	AAA	A										1291

FIG. 1B

				•			•			•				•			•			•	
1	$\tt CGGACGCGTGGGGGGCTATATATGCTCTTCCTGCTTGTGCTGGTCTTCTTCCTCATGGGC$														60						
1	R	T	R	G	G	L	Y	M	L	F	L	L	V	L	V	F	F	L	M	G	20
61	CTG	GTA	GGC	TTC	ATG	ATC	TGC	CAC	GTG	CTC	AAG	AAG	AAG	GGC	TAC	CGC	TGC	CGC	ACG	TCG	120
21	L	-	G	F	М	I	С	Н	V	L	K	K	K	G	Y	R	С	R	T	S	40
	_	•	Ĭ		••	_			•						_	-,			_		
121	AGG	GGC	ጥርጥ	GAG	ССТ	GAC	GAT	GCC	CAG	ርጥጥ	CAG	CCC	CCT	GAG	GAC	GAT	GAC	ATG	ТАА	GAG	180
41	R	G	S	E	P	D	D	A	0	L	0	P	P	E	D	D	D	М	N	E	60
41	11	U	U	IJ	-	J	ט	11	Z	'n	×	_	L	יי	U	ט	ט	11	11		00
1 0 1	· GACACAGTAGAGAGGATTGTTCGCTGCATCATCCAGAATGAAGCCAATGCTGAGGCCTTG															• ጥጥር	240				
61	D D	non T	V	.O.A.G. F.	7100 R	T	V	R	C	T	T	0	N	E	.OCC	N	A	F.	A	T,	80
01	ע	1	٧	Ü	11	1	٧	11	C	1	1	Q	14	נו	Λ	14	Λ	Ц	Λ	П	00
241	አአር	ርእሮ	አጥር	• Стс	ccc	ርእሮ	• አርጥ	ר א ז	CCA	• ሮአአ	ccc	አ ሮአ	ርሞር	СЛС	ርሞር	ሞሮሮ	• አርጥ	СТС	ርእጥ	CCC	300
81	AAG K	GAG E	M	rciu Ti	G G	D D	AGI S	GAA E	G G	igaa E	.GGG	T	V	0AU	L	S	AGI S	V	D	A	100
01	V	Ľ	11	L	G	ע	S	Ľ	G	Ŀ	G	1	V	Q	Ъ	S	Ŋ.	V	ע	Ŋ	100
201	· · · · · · · · · · · · · · · · · · ·																260				
	ACC T					GAC D	-		.ccc P		CAI H	H	H	ACA T	.GIG V	H	L	G G	S	A A	120
101	T	S	S	Ц	Q	ע	G	A	r	5	П	п	п	Ţ	٧	п	П	G	3	A	120
261	000	00m	шаа	•	0 3 M	шаа	• 3.00	000	13.00	• ממה	3.00	ООП	1001	•	ста	aam	•	003	000	• maa	420
																					420
121	A	Р	С	L	H	С	S	R	S	K	R	P	P	L	V	R	Q	G	R	S	140
				•			•			•	~ ~ ~			•			•	~~~			400
421																_	-				480
141	K	E	G	K	S	R	P	R	T	G	E	Т	T	V	F	S	V	G	R	F	160
				•			•			•				•			•			•	
481	CGG	GTG			ATT			CGC	TAT	GGA	CTG			CAC	CGT	GAT	GGC				540
161	R	V	T	Н	Ι	Ε	K	R	Y	G	L	Н	E	Н	R	D	G	S	P	T	180
				•			٠			•				•							
541	GAC	AGG	AGC	TGG	GGC	TCT	GGT	'GGG	GGA	.CAG	GAC	CCA	GGG	GTG							582
181	D	R	S	W	G	S	G	G	G	Q	D	P	G	V							194

FIG. 2

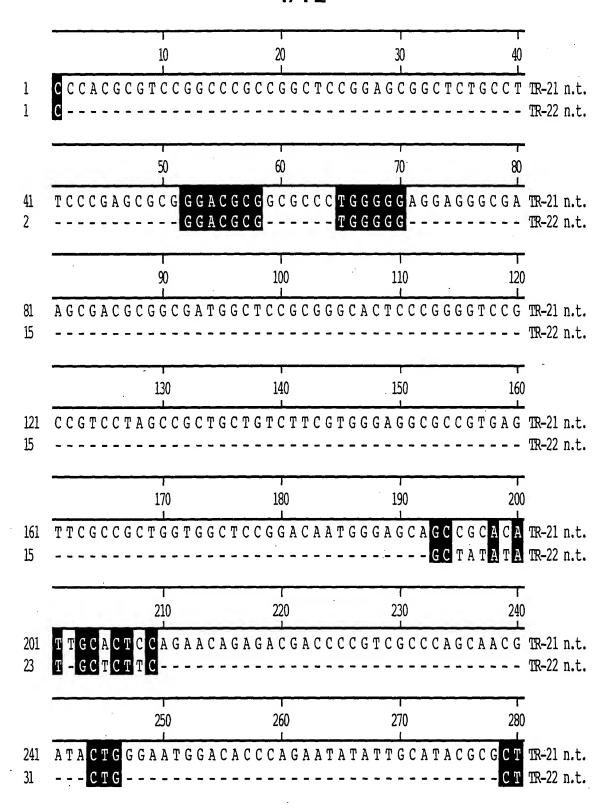


FIG. 3A

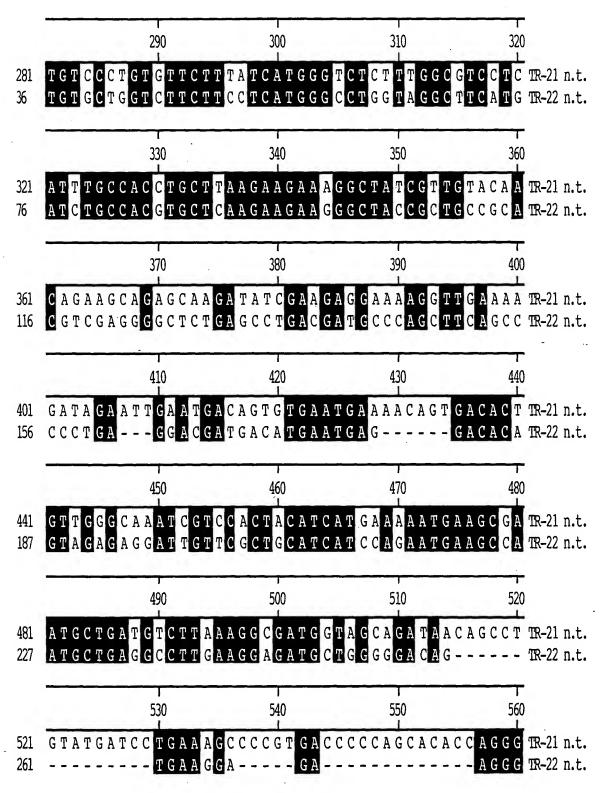


FIG. 3B

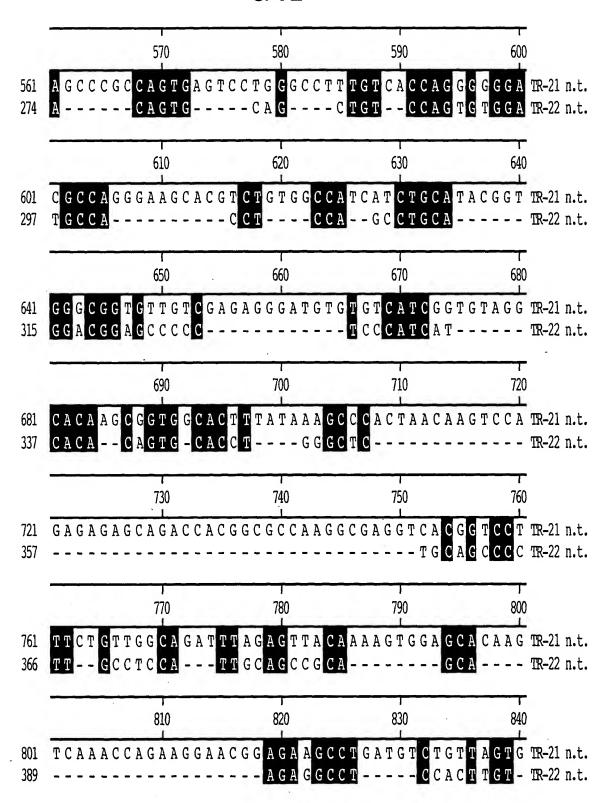


FIG. 3C

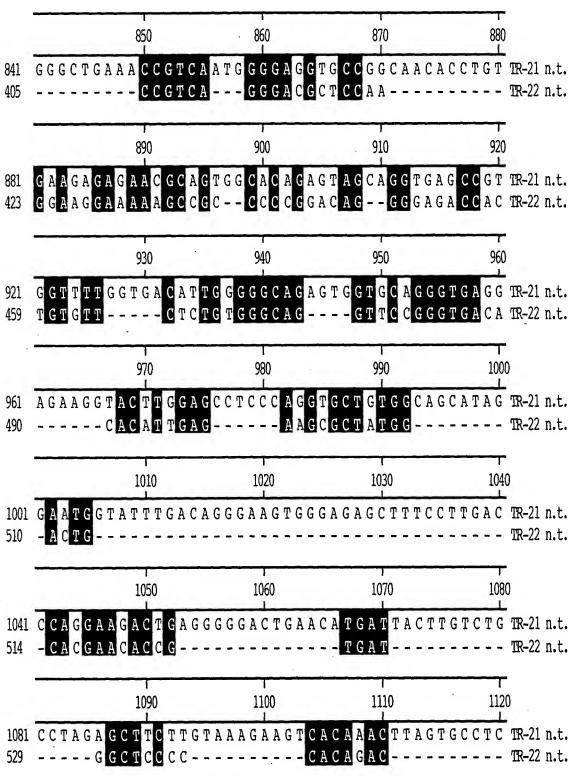
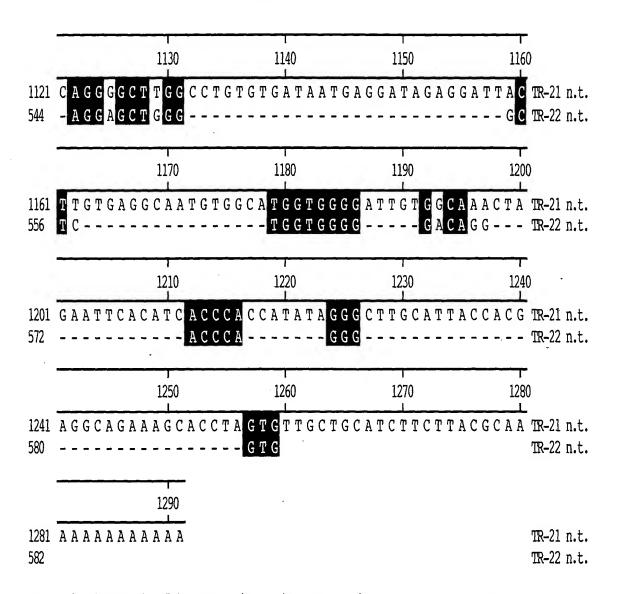


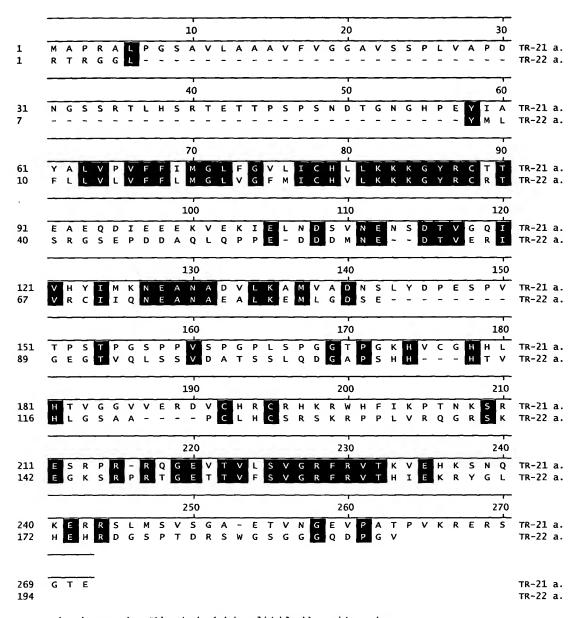
FIG. 3D



Decoration 'Decoration #1': Shade (with solid black) residues that match the consensus named 'Consensus #1' exactly.

FIG. 3E

9/12



Decoration 'Decoration #1': Shade (with solid black) residues that match the consensus named 'Consensus #1' exactly.

FIG. 4

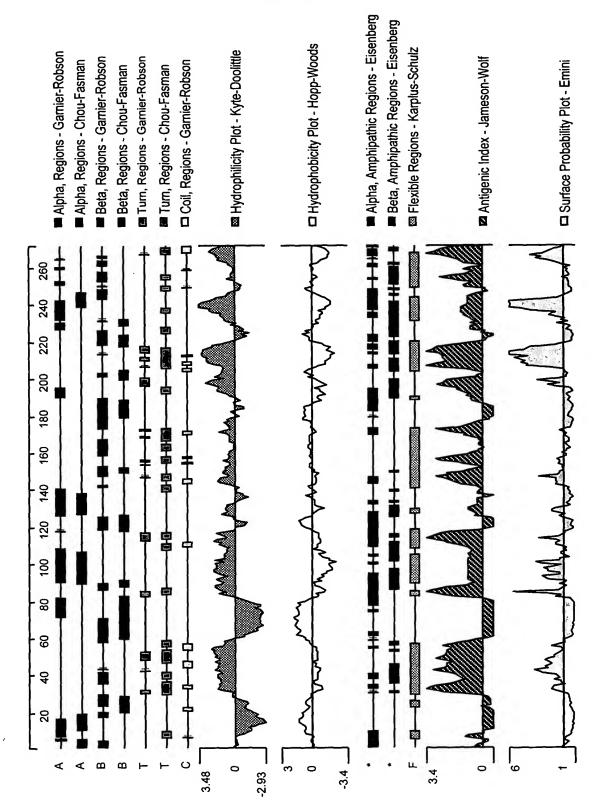


FIG. 5

FIG. 6

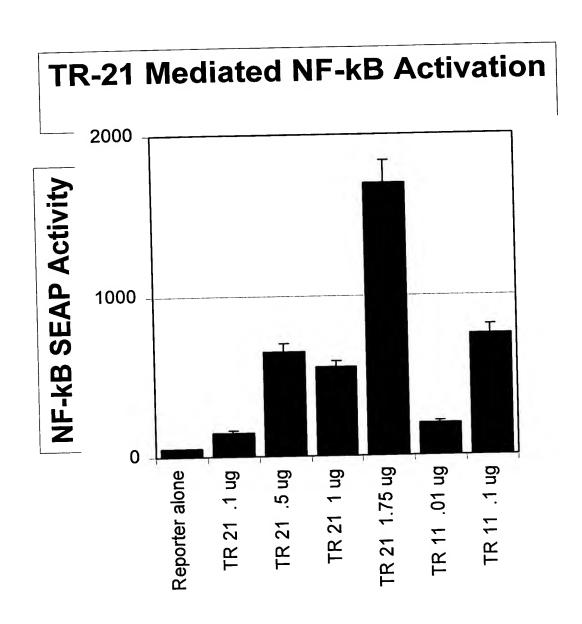


FIG. 7